

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: )  
)  
Pavel Curtis, et al. ) Group Art Unit: Unassigned  
)  
Serial No.: Continuation of U.S. Patent ) Examiner: Unassigned  
Application No. 09/096,101 Filed June 11, )  
1998 )  
)  
Filed: November 27, 2001 )  
)  
For: COLLABORATIVE OBJECT )  
ARCHITECTURE )

Commissioner for Patents and Trademarks  
Washington, DC 20231

Sir:

**PRELIMINARY AMENDMENT**

Prior to the examination of the above application, please amend this application  
as follows:

**IN THE CLAIMS:**

Please cancel Claims 1 - 19 and add the following new claims:

-- 20. A collaborative object architecture comprising:

a server system adapted to execute at least one pod having a plurality of  
constituent parts; and

at least one client system coupled to the server system, wherein the at least one  
client system is adapted to execute at least one applet having a plurality of constituent  
parts, the pod and the applets together comprising a collaborative object, wherein the

FINNEGAN  
HENDERSON  
FARABOW  
GARRETT &  
DUNNER LLP

1300 I Street, NW  
Washington, DC 20005  
202.408.4000  
Fax 202.408.4400  
www.finnegan.com

pod plurality of constituent parts correspond to the applet plurality of constituent parts such that a change to one of the applet plurality of constituent parts causes a change to a corresponding constituent part in the pod.

21. The collaborative object architecture of claim 20, wherein the at least one client system receives input, generates one or more messages to the pod in response to the input, and applies the input locally without waiting for a response from the pod.

22. The collaborative object architecture of claim 20, wherein the pod is adapted to receive message packets from an applet, determine an order in which to process the received message packets and communicate data from processing to other applets such that the other applets receive the data from messages originating at the pod.

23. A method comprising:  
executing a pod having a first plurality of constituent parts on a server system coupled to at least one client adapted to execute an applet having a second plurality of constituent parts;

receiving, at the pod, at least one message from one of the second plurality of constituent parts indicating a change to data controlled by the first plurality of constituent parts;

processing the at least one message by the pod, such that a change to one of the second plurality of constituent parts causes a change to a corresponding constituent part in the first plurality of constituent parts.

24. The method of claim 23 further comprising the step of determining an order in which to process the received at least one message.

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25. The method of claim 24 further comprising the step of communicating data resulting from the processing to the third plurality of constituent parts, wherein the first applet continues execution prior to processing the at least one message.

26. A computer readable medium having stored thereon sequences of instructions which when executed cause one or more electronic systems to:

execute a pod having a first plurality of constituent parts on a server system coupled to at least one client adapted to execute an applet having a second plurality of constituent parts;

receive, at the pod, at least one message from at least one of the second plurality of constituent parts indicating a change to data controlled by the first plurality of constituent parts; and

process the at least one message by the pod such that changes to at least one of the second plurality of constituent parts cause changes to a corresponding constituent part in the first plurality of constituent parts.

27. The computer-readable medium of claim 26 wherein the sequences of instructions further comprise sequences of instructions for determining an order in which to process the received at least one message.

28. The computer-readable medium of claim 26 wherein the sequences of instructions further comprise sequences of instructions for communicating data resulting from the processing to a second applet, wherein the first applet continues execution prior to processing of the at least one message.

29. A method comprising:

FINNEGAN  
HENDERSON  
FARABOW  
GARRETT &  
DUNNER LLP

1300 I Street, NW  
Washington, DC 20005  
202.408.4000  
Fax 202.408.4400  
www.finnegan.com

receiving an input that indicates a change to data controlled by at least one of a first plurality of constituent parts;

processing the input by a pod such that changes to at least one of the plurality of constituent parts cause changes to a second corresponding plurality of constituent parts in the pod; and

sending at least one message indicating a change to data controlled by the first plurality of constituent parts to a third plurality of constituent parts having constituent parts corresponding to the first and second constituent parts.

30. The method of claim 29 wherein the pod determines an order in which to process the received at least one message and communicates the change to at least a second plurality of constituent parts. - -


#### **REMARKS**

If there is any fee due in connection with the filing of this Preliminary Amendment, please charge the fee to our Deposit Account No. 06-0916.

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW,  
GARRETT & DUNNER, L.L.P.

Dated: November 27, 2001

By:   
Leonard Smith, Jr.  
Reg. No. 45,118

FINNEGAN  
HENDERSON  
FARABOW  
GARRETT &  
DUNNER LLP

1300 I Street, NW  
Washington, DC 20005  
202.408.4000  
Fax 202.408.4400  
www.finnegan.com